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**Modifications réservées!** Reproduction - même en partie autorisée seulement avec indication des sources utilisées.

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3100 Braunschweig

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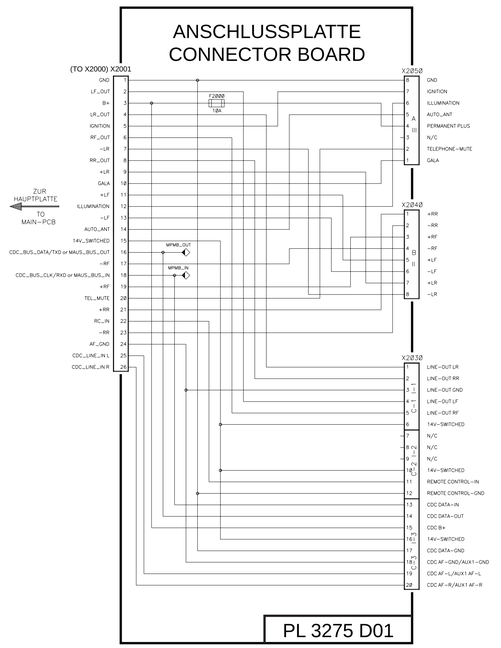
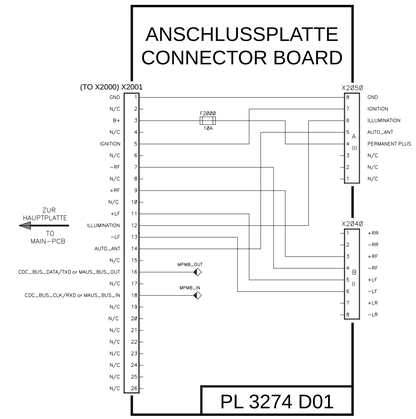
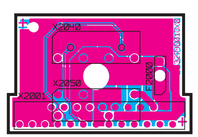
**Modifications reserved!** Reproduction - also by extract only permitted with indication of sources used.

**T-Line**
**Lübeck C30**
**Luxembourg C30**



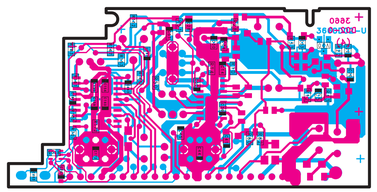

**Anschlußplatte**
**Connector board**
**PL 3274 D01**



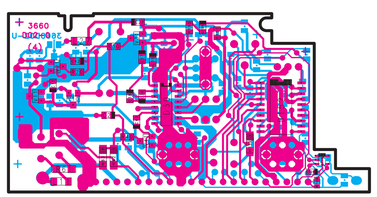

**FunLine2**
**Düsseldorf C50**
**Bologna C50**
**Colorado DJ50**
**Carolina DJ50**

**T-Line**
**Lübeck C30**
**Luxembourg C30**
**Augsburg C30**
**Dublin C30**
**Boston C30**
**Minnesota DJ30**
**Ontario DJ30**

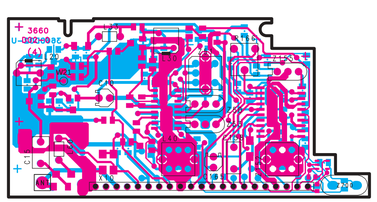
**HF-Platte**
**RF board**
**PL 3660 D02**
**Chip**




**HF-Platte**
**RF board**
**PL 3660 D02**
**Chip**

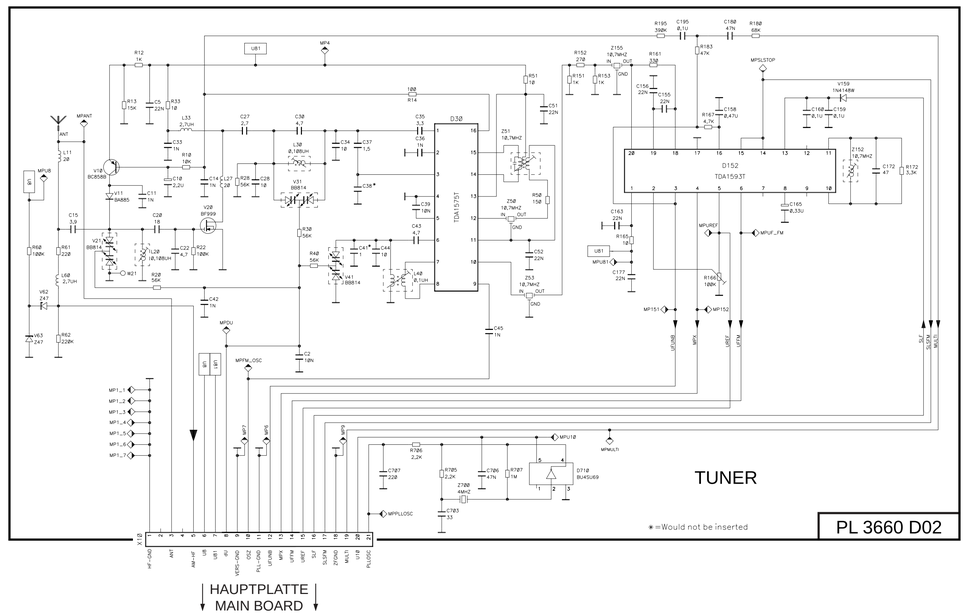



**HF-Platte**
**RF board**
**PL 3660 D02**




**FunLine2**
**Düsseldorf C50**
**Bologna C50**
**Colorado DJ50**
**Carolina DJ50**

**T-Line**
**Lübeck C30**
**Luxembourg C30**
**Augsburg C30**
**Dublin C30**
**Boston C30**
**Minnesota DJ30**
**Ontario DJ30**

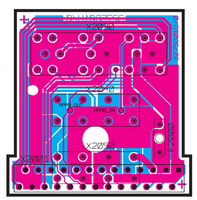



**FunLine2**
**Sylt CD50**
**Modena CD50**
**Dakota DJ50**

**T-Line**
**Kiel CD30**
**Lausanne CD30**
**Alicante CD30**

**T-Line**
**Augsburg C30**
**Dublin C30**
**Boston C30**
**Kiel CD30**
**Lausanne CD30**
**Alicante CD30**
**Minnesota DJ30**
**Ontario DJ30**

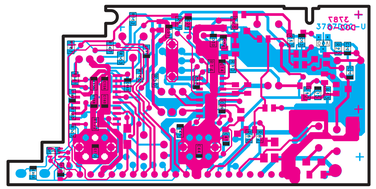
**Anschlußplatte**
**Connector board**
**PL 3275 D01**



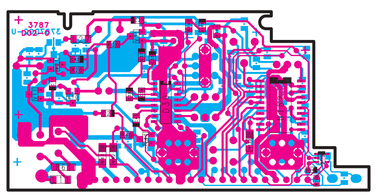

**FunLine2**
**Sylt CD50**
**Modena CD50**
**Dakota DJ50**

**T-Line**
**Kiel CD30**
**Lausanne CD30**
**Alicante CD30**

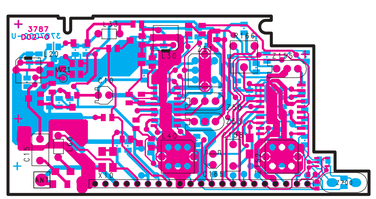
**HF-Platte**
**RF board**
**PL 3787 D02**
**Chip**




**HF-Platte**
**RF board**
**PL 3787 D02**
**Chip**

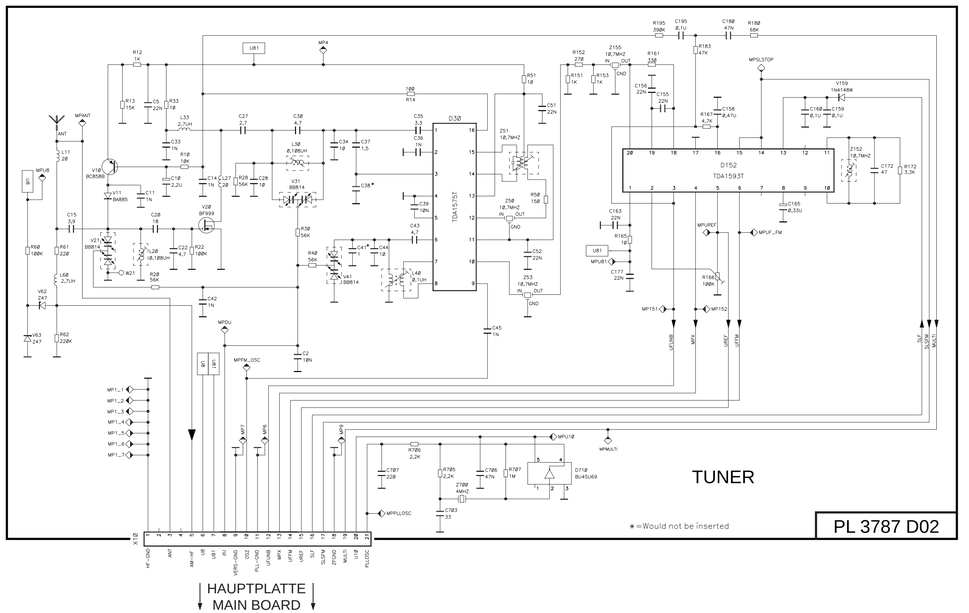



**HF-Platte**
**RF board**
**PL 3787 D02**




**FunLine2**
**Sylt CD50**
**Modena CD50**
**Dakota DJ50**

**T-Line**
**Kiel CD30**
**Lausanne CD30**
**Alicante CD30**




**BLAUPUNKT**

**AUTORADIO**

**D / EU**

**T-Line**

**Lübeck C30**
7 640 105 510

**Luxembourg C30**
7 640 110 510

**Augsburg C30**
7 640 115 510

**Dublin C30**
7 640 120 510

**Boston C30**
7 640 125 510

**Kiel CD30**
7 640 155 310

**Lausanne CD30**
7 640 160 310

**Alicante CD30**
7 640 165 310

**Minnesota DJ30**
7 640 315 019/...510

**Ontario DJ30**
7 640 320 019/...510

**Funline 2**

**Düsseldorf C50**
7 640 205 510

**Bologna C50**
7 640 210 510

**Sylt CD50**
7 640 255 310

**Modena CD50**
7 640 260 310
7 640 260 312
7 640 260 315
7 640 260 318

**Colorado DJ50**
7 640 405 019/...510

**Carolina DJ50**
7 640 410 019/...510

**Dakota DJ50**
7 640 460 310/...319

8 622 402 387 BN-WG 04/04

**Schaltbild • Circuit diagram**

**CLASS 1**
**LASER PRODUCT**

**UNSICHTBARE LASERSTRAHLUNG**
**NICHT DEM STRAHL AUSSETZEN**
**LASERKLASSE 3B**

**(D) VORSICHT!**

**Die Geräte beinhalten eine Laserkomponente! Im Servicefall bitte nachfolgende Hinweise beachten:**

- Das Gerät arbeitet mit unsichtbarem Laserstrahl.
- Bei geöffnetem Gerät tritt im Bereich des Plattenfaches Laserstrahlung aus.
- Nicht in den Strahl blicken.
- Unbeteiligte Personen vom Arbeitsplatz fernhalten.
- Der Betrachtungsabstand darf 13 cm nicht unterschreiten.
- Kann dies nicht eingehalten werden, muß eine geeignete Laserschutzbrille getragen werden.

**(GB) CAUTION!**

**The CD units are equipped with a laser component! For servicing make sure to observe the following instructions:**

- The unit operates with invisible laser beams.
- When the cover is removed, invisible laser beams are emitted near the disc compartment.
- Avoid direct eye contact with these beams.
- Keep unauthorised persons away from the workbench.
- The viewing distance should not be less than 13 cm.
- If this distance cannot be kept, use suitable laser safety goggles.

| | T-LINE | | | | | | | | FUNLINE II | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lübeck C30 | Luxembourg C30 | Augsburg C30 | Dublin C30 | Boston C30 | C30 | Lausanne CD30 | Alicante CD30 | Düsseldorf C50 | Bologna C50 | Sylt CD50 | Modena CD50 |
| AM | | × | | × | × | | × | × | | × | | × |
| CASSETTE PREAMP | × | × | × | × | × | | | | | | | |
| CASS-MUT | | | × | × | × | | | | | | | |
| CC-MOTOR-SUPPLY | × | × | × | × | × | | | | | × | | |
| R1180 & R1181 | × | × | × | × | × | | | | × | × | | |
| X1100 | × | × | × | × | × | | | | | | | |
| X1300 | × | × | × | × | × | | | | | | | |
| X1301 | | | | | | | | | × | × | | |
| CD | | | | | | × | × | × | | | × | × |
| TN708 | | | | | | | | | × | × | | |
| S800 | | | | | | | | | × | × | | |
| H1091,R1091&V1091 | | | | | | | | | × | × | × | × |
| R840 & R841 | × | × | × | × | × | | | | × | × | | |
| VOL. LEVEL DETECTOR | | | | | | | | | × | × | × | × |
| PRE-AMP | | | × | × | × | × | × | × | × | × | × | × |
| 4-CHANNEL | | | × | × | × | × | × | × | × | × | × | × |
| R1615 | × | × | | | | | | | | | | |
| DIMMER | | | | | | | | | × | × | × | × |
| TEL-MUTE | | | × | × | × | × | × | × | × | × | × | × |
| IR-REMOTE | | | × | × | × | × | × | × | | | | |
| REGULATOR | | | | | | × | × | × | | | × | × |
| AUX-IN | | | × | × | × | × | × | × | × | × | × | × |
| V2010 | BC369 | BC369 | BC369 | BC369 | BC369 | BD436 | BD436 | BD436 | BC369 | BC369 | BD436 | BD436 |
| L7970 | 0,47uH | 0,47uH | 0,47uH | 0,47uH | 0,47uH | 0,47uH | 0,47uH | 0,47uH | OR | OR | OR | OR |
| R1071&V1071 (*Optional*) | | | | | | | | | | | | |
| R688 (*Optional*) | | | | | | | | | | | | |
| N.R.(*Optional*) | | | | | | | | | | | | |
| GAL (*Optional*) | | | | | | | | | | | | |

REMARKS : × = "Section/Component In Use"

| MODEL | PART NUMBER | PRODUCT CODE |
|---|---|---|
| T10CC(D) = | 8 638 203 260 | (7 640 105 510) |
| T10CC(E) = | 8 638 203 261 | (7 640 110 510) |
| F20CC(D) = | 8 638 203 262 | (7 640 205 510) |
| F20CC(E) = | 8 638 203 263 | (7 640 210 510) |
| T20CC(D) = | 8 638 203 264 | (7 640 115 510) |
| T20CC(E) = | 8 638 203 265 | (7 640 120 510) |
| T20CD(D) = | 8 638 203 266 | (7 640 155 510) |
| T20CD(E) = | 8 638 203 267 | (7 640 160 510) |
| F20CD(D) = | 8 638 203 268 | (7 640 255 510) |
| F20CD(E) = | 8 638 203 269 | (7 640 260 510) |

COMPONENT USED TO INDICATE VARIOUS MODELS

COMMON TEST POINT FOR PCB8638213269 & PCB8638213259

DUMMY TEST PAD

**FunLine2 (3269 D12)**
**Sylt CD50**
**Modena CD50**
**Dakota DJ50**

**T-Line (3269 D12)**
**Kiel CD30**
**Lausanne CD30**
**Alicante CD30**

**FunLine2 (3265)**
**Düsseldorf C50**
**Bologna C50**
**Colorado DJ50**
**Carolina DJ50**

**T-Line (3265)**
**Lübeck C30**
**Luxembourg C30**
**Augsburg C30**
**Dublin C30**
**Boston C30**
**Minnesota DJ30**
**Ontario DJ30**

PL 3269 (3265) D12

# Hauptplatte / Main board D12

| | T–LINE | | | | | | | | FUNLINE II | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CC10 D | CC10 E | CC20 D | CC20 E | CC20 COLOR | CD20 D | CD20 E | CD20 COLOR | CC20 D | CC20 E | CD20 D | CD20 E |
| AM | | × | × | × | × | | × | × | | × | | × |
| CASSETTE PREAMP | × | × | × | × | × | | | | | | | |
| CASS–MUTE | | | | × | × | | | | | | | |
| CC–MOTOR–SUPPLY | × | × | × | × | × | | | | × | × | | |
| R1180 & R1181 | × | × | × | × | × | | | | × | × | | |
| X1100 | | | | × | × | | | | | | | |
| X1300 | | | | × | × | | | | | | | |
| X1301 | | | | | | | | | × | × | × | × |
| CD | | | | | | × | × | × | | | × | × |
| TN708 | | | | | | | | | × | × | | |
| S800 | | | | | | | | | × | × | × | × |
| H1091,R1091&V1091 | | | | | | | | | × | × | × | × |
| R840 & R841 | × | × | × | × | × | | | | × | × | | |
| VOL–LEVEL DETECTOR | | | | | | | | | × | × | × | × |
| PRE–AMP | | | × | × | × | × | × | × | × | × | × | × |
| 4–CHANNEL | | | × | × | × | × | × | × | × | × | × | × |
| R1616 | × | × | | | | | | | | | | |
| DIMMER | | | | | | | | | × | × | × | × |
| TEL–MUTE | | | × | × | × | × | × | × | | | | |
| IR–REMOTE | | | × | × | × | × | × | × | | | | |
| REGULATOR | | | | | | × | × | × | | | | |
| AUX–IN | | | × | × | × | × | × | × | | | | |
| V2010 | BC369 | BC369 | BC369 | BC369 | BC369 | BD436 | BD436 | BD436 | BC369 | BC369 | BD436 | BD436 |
| L7970 | 0,47µH | 0,47µH | 0,47µH | 0,47µH | 0,47µH | 0,47µH | 0,47µH | 0,47µH | OR | OR | OR | OR |
| R1071&V1071(*Optional*) | | | | | | | | | | | | |
| R688 (*Optional*) | | | | | | | | | | | | |
| N.R.(*Optional*) | | | | | | | | | | | | |
| GAL (*Optional*) | | | | | | | | | | | | |

REMARKS : × = "Section/Component In Use"

| MODEL | PART NUMBER | PRODUCT CODE |
|---|---|---|
| T10CC(0) = | 8 638 203 260 | (7 640 105 510) |
| T10CC(0) = | 8 638 203 261 | (7 640 110 510) |
| F20CC(0) = | 8 638 203 262 | (7 640 205 510) |
| F20CC(0) = | 8 638 203 263 | (7 640 210 510) |
| T20CC(0) = | 8 638 203 264 | (7 640 115 510) |
| T20CD(0) = | 8 638 203 265 | (7 640 120 510) |
| T20CD(0) = | 8 638 203 266 | (7 640 155 510) |
| T20CD(E) = | 8 638 203 267 | (7 640 160 510) |
| F20CD(0) = | 8 638 203 268 | (7 640 255 510) |
| F20CD(E) = | 8 638 203 269 | (7 640 260 510) |

COMPONENT USED TO INDICATE VARIOUS MODELS

T10CD(0) T10CC(0) F20CD(0) T20CC(0) T20CD(0) F20CC(0)

COMMON TEST POINT FOR
PCB8638213269 & PCB8638213259

DUMMY TEST PAD

GP1 GP2 MP1 MP2N MP2R MP1111 MP1121




PL 3269 (3265) D14

# Hauptplatte / Main board D14

**FunLine2 (3269 D14)**
Sylt CD50
Modena CD50
Dakota DJ50

**T-Line (3269 D14)**
Kiel CD30
Lausanne CD30
Alicante CD30

**FunLine2 (3265)**
Düsseldorf C50
Bologna C50
Colorado DJ50
Carolina DJ50

**T-Line (3265)**
Lübeck C30
Luxembourg C30
Augsburg C30
Dublin C30
Boston C30
Minnesota DJ30
Ontario DJ30

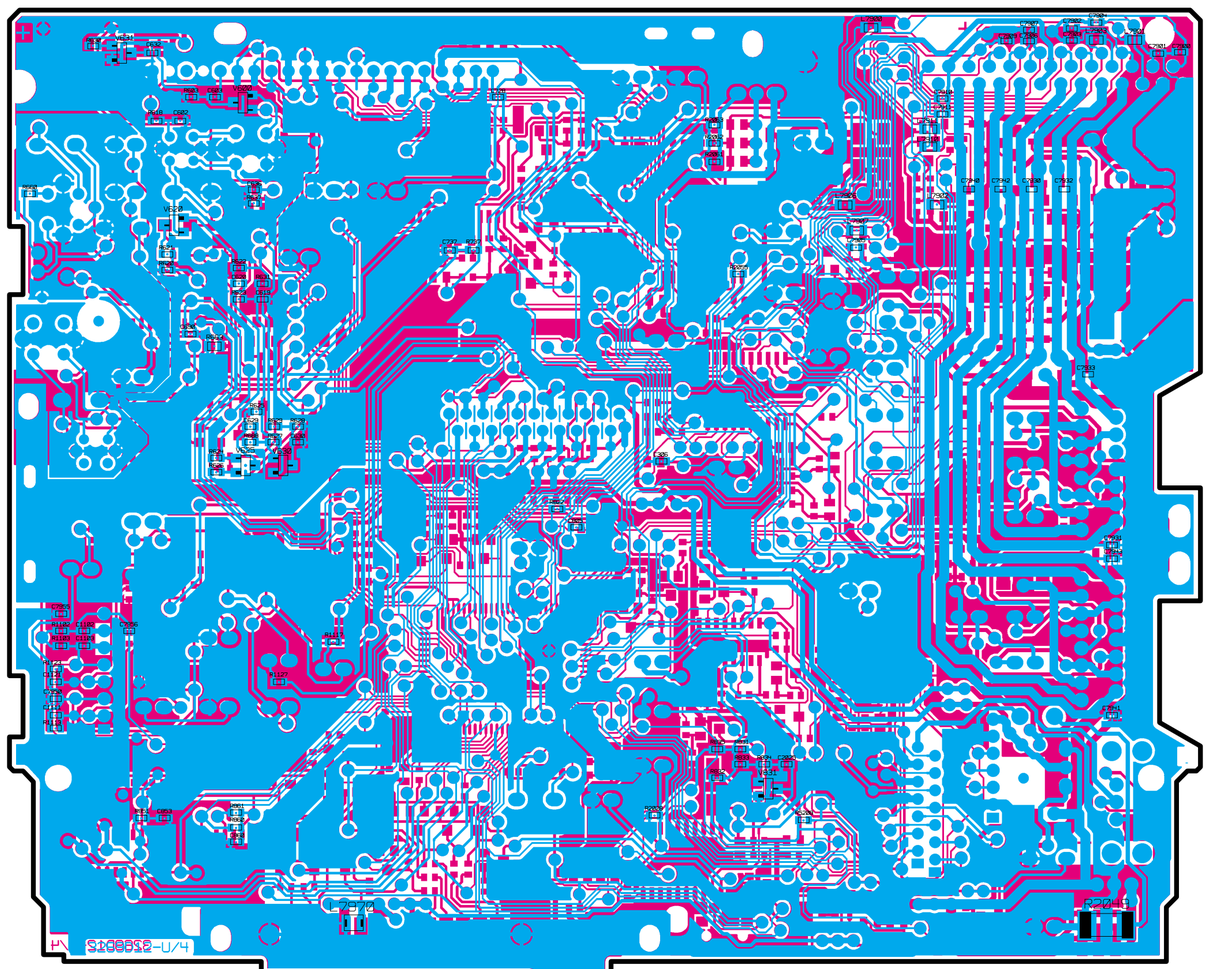
**Hauptplatte**
**Main board**
**PL 3269 D12**
**Chip**

**T-Line (3265)**
Lübeck C30
Luxembourg C30
Augsburg C30
Dublin C30
Boston C30
Minnesota DJ30
Ontario DJ30

**FunLine2 (3265)**
Düsseldorf C50
Bologna C50
Colorado DJ50
Carolina DJ50

**FunLine2 (3269 D12)**
Sylt CD50
Modena CD50
Dakota DJ50

**T-Line (3269 D12)**
Kiel CD30
Lausanne CD30
Alicante CD30



# D12

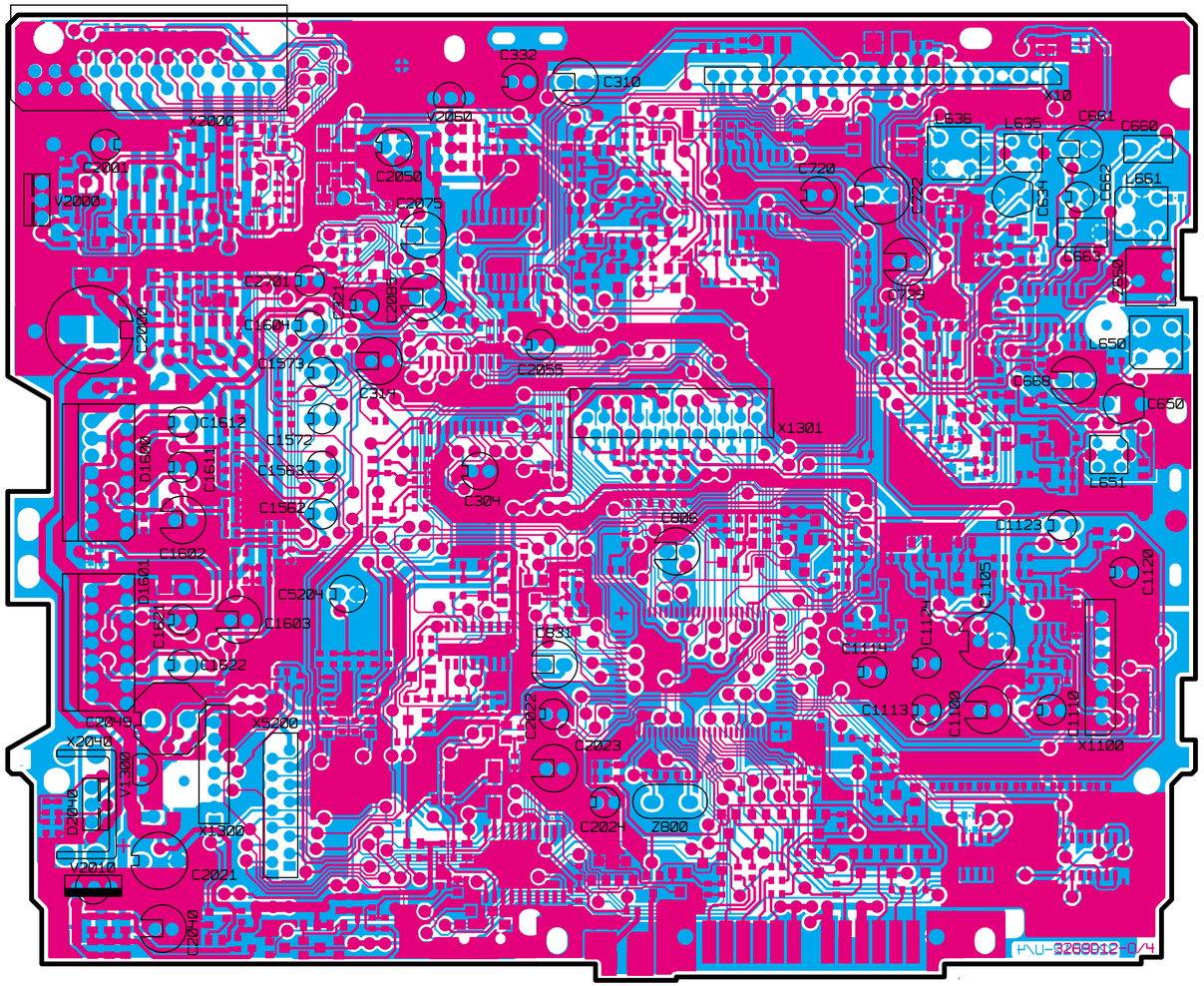
**Hauptplatte**
**Main board**
**PL 3269 D12**

**T-Line (3265)**
Lübeck C30
Luxembourg C30
Augsburg C30
Dublin C30
Boston C30
Minnesota DJ30
Ontario DJ30

**FunLine2 (3265)**
Düsseldorf C50
Bologna C50
Colorado DJ50
Carolina DJ50

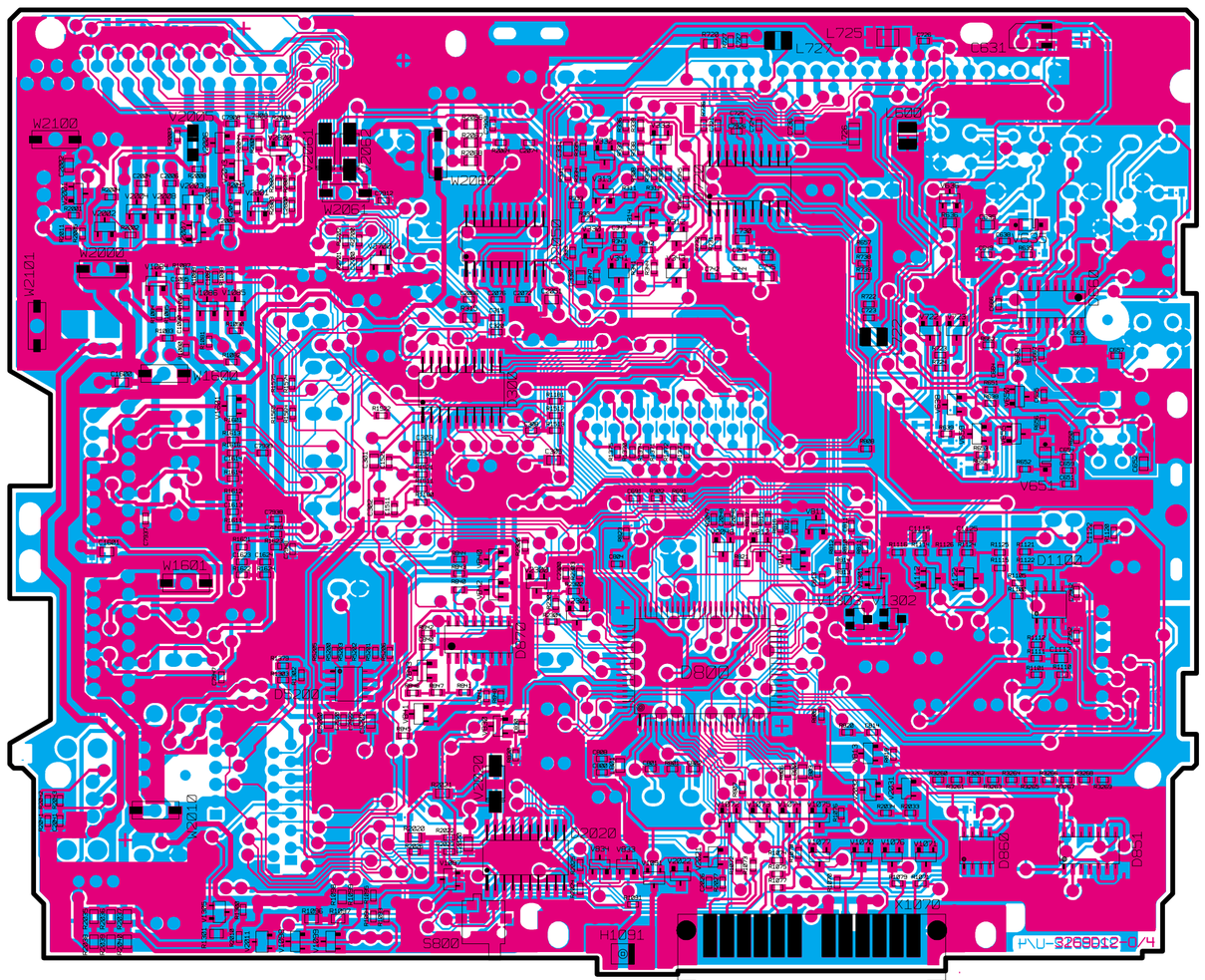
**FunLine2 (3269 D12)**
Sylt CD50
Modena CD50
Dakota DJ50

**T-Line (3269 D12)**
Kiel CD30
Lausanne CD30
Alicante CD30




# D12

**Hauptplatte**
**Main board**
**PL 3269 D12**
**Chip**




# D12

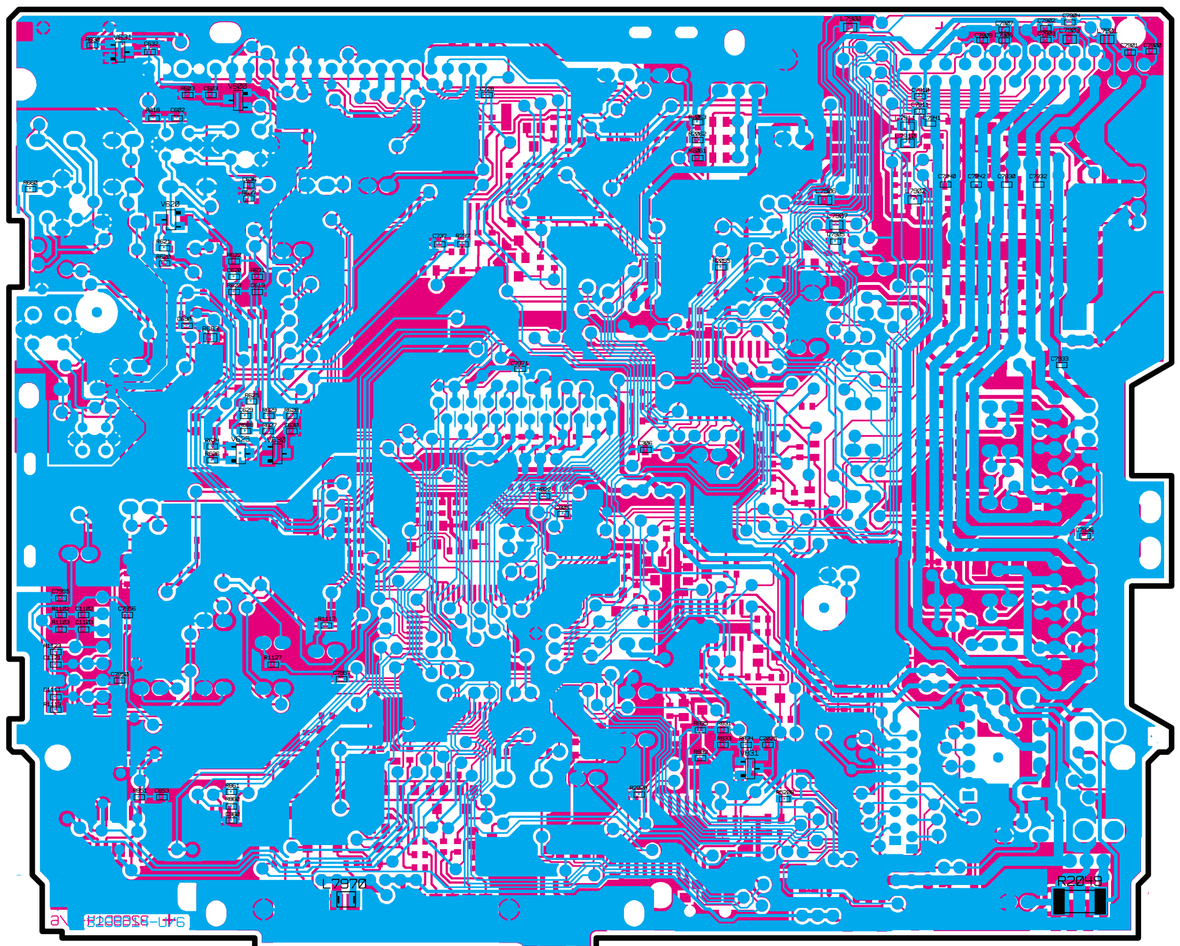
**Hauptplatte**
**Main board**
**PL 3269 D14**
**Chip**

**T-Line (3265)**
Lübeck C30
Luxembourg C30
Augsburg C30
Dublin C30
Boston C30
Minnesota DJ30
Ontario DJ30

**FunLine2 (3265)**
Düsseldorf C50
Bologna C50
Colorado DJ50
Carolina DJ50

**FunLine2 (3269 D14)**
Sylt CD50
Modena CD50
Dakota DJ50

**T-Line (3269 D14)**
Kiel CD30
Lausanne CD30
Alicante CD30




# D14

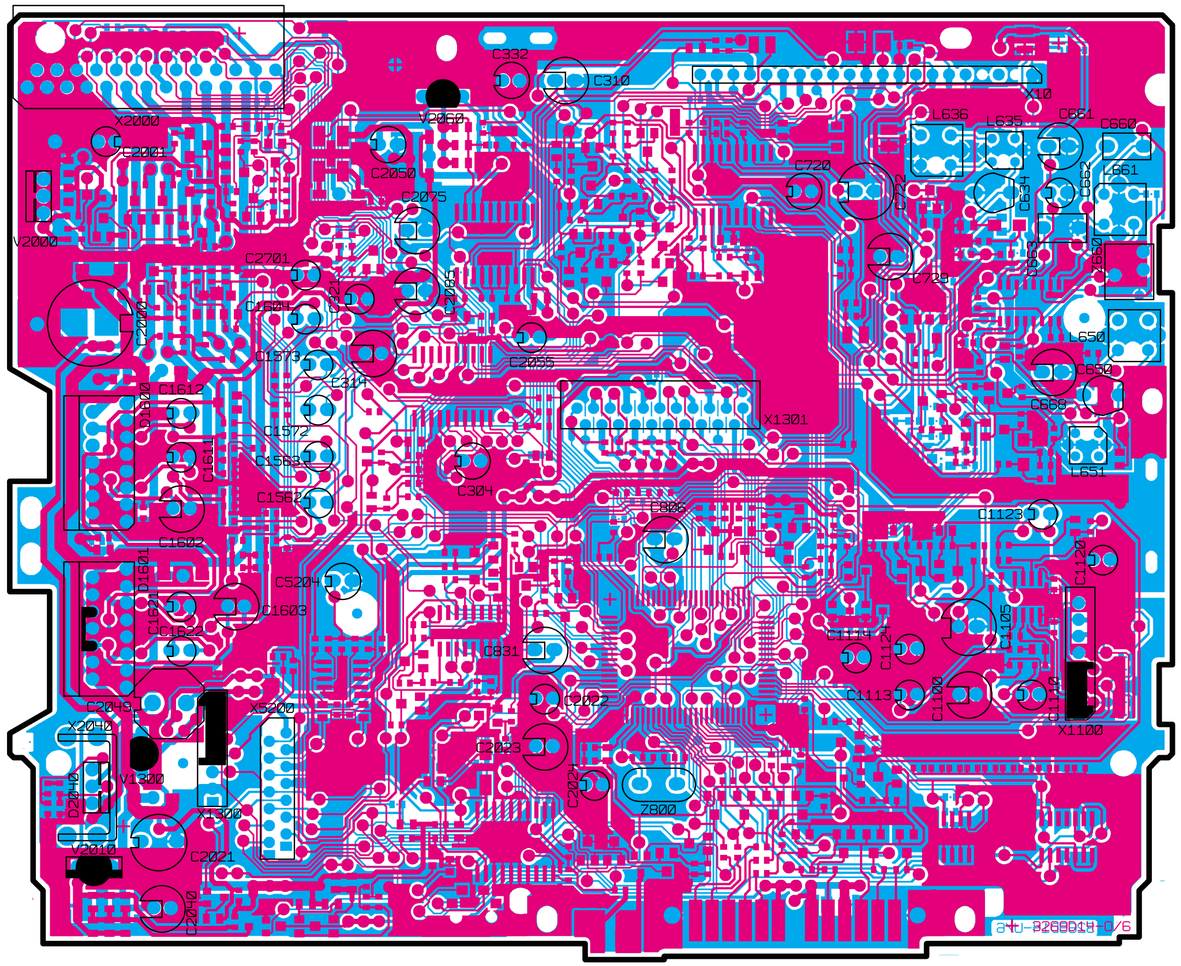
**Hauptplatte**
**Main board**
**PL 3269 D14**

**T-Line (3265)**
Lübeck C30
Luxembourg C30
Augsburg C30
Dublin C30
Boston C30
Minnesota DJ30
Ontario DJ30

**FunLine2 (3265)**
Düsseldorf C50
Bologna C50
Colorado DJ50
Carolina DJ50

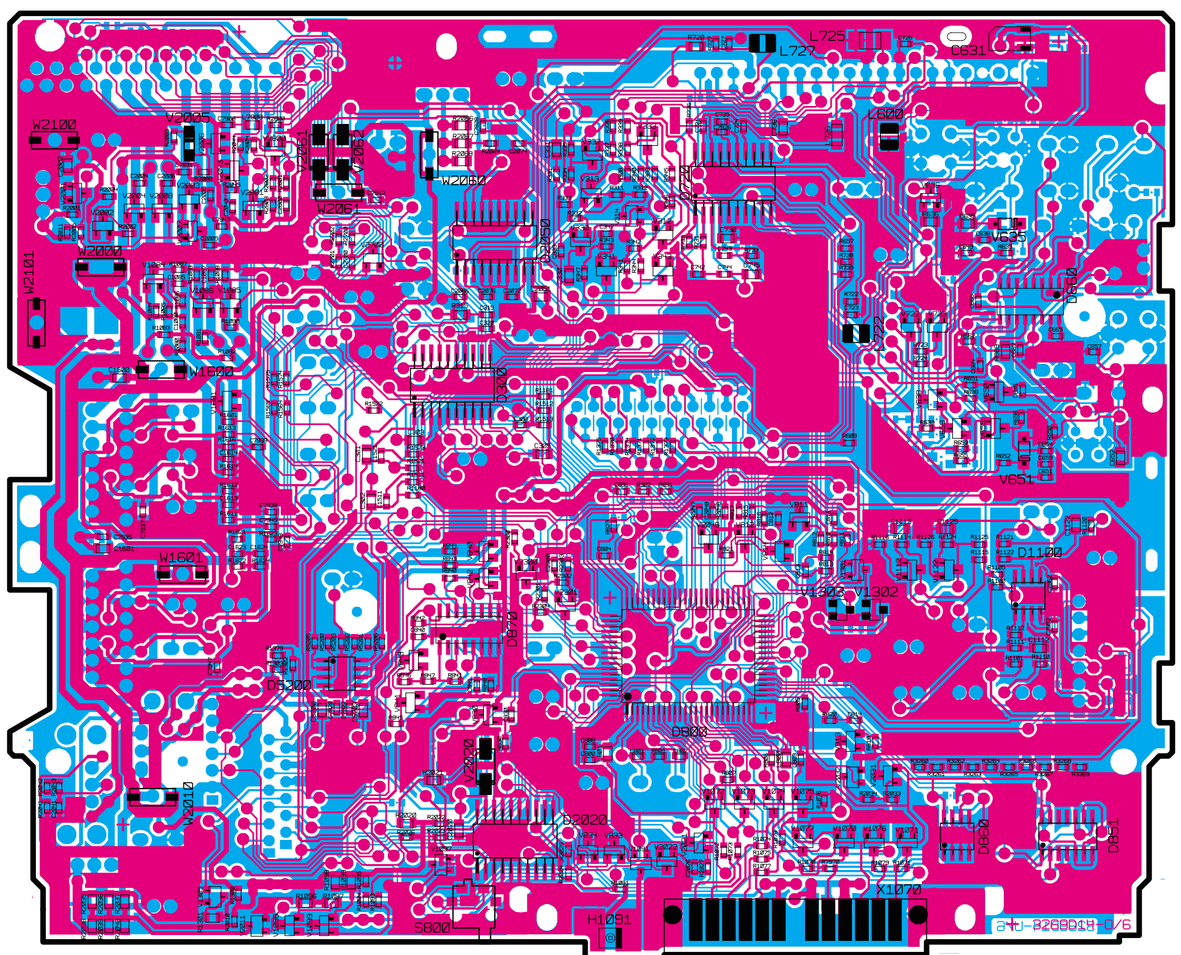
**FunLine2 (3269 D14)**
Sylt CD50
Modena CD50
Dakota DJ50

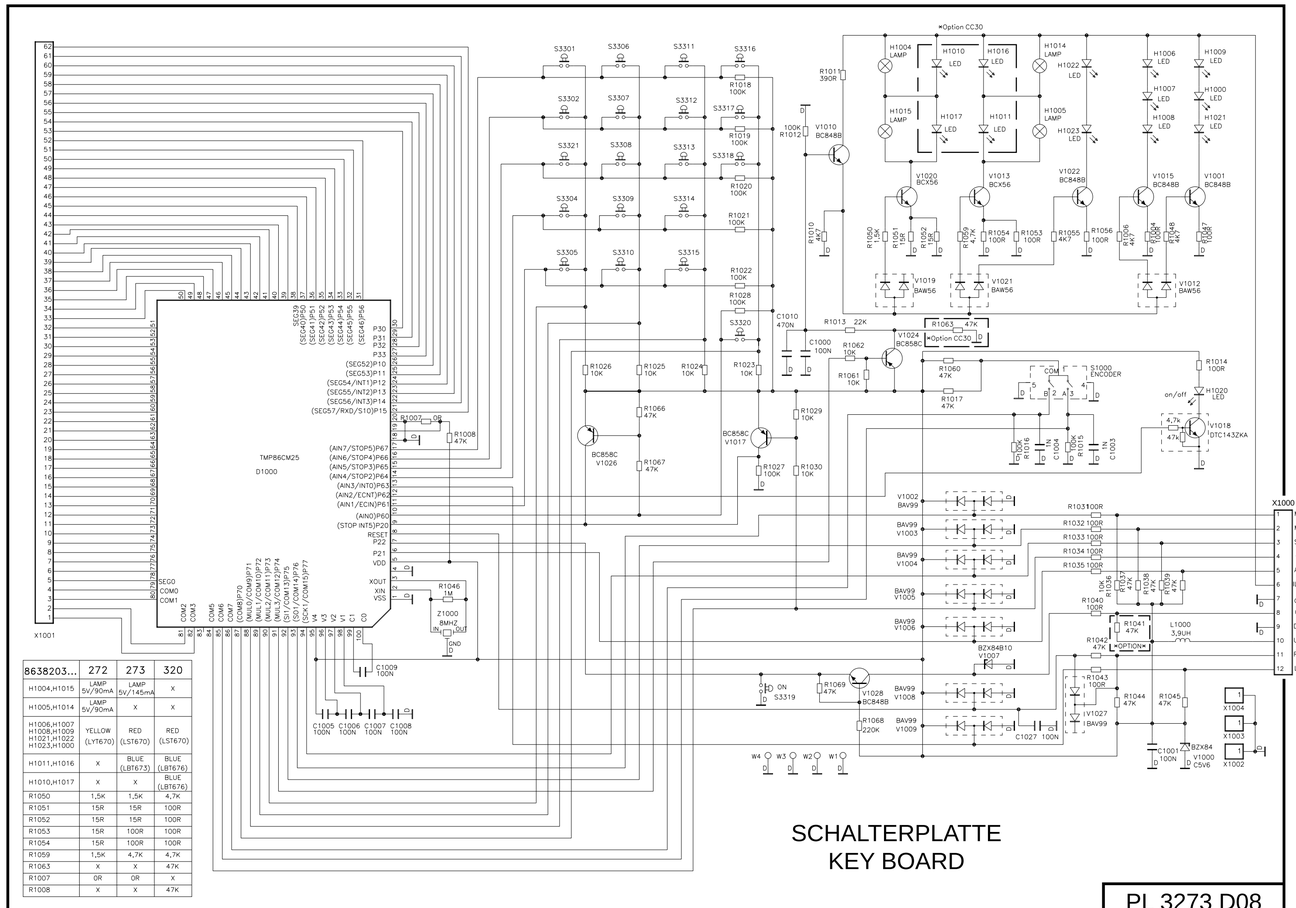
**T-Line (3269 D14)**
Kiel CD30
Lausanne CD30
Alicante CD30




**D14**

**Hauptplatte**
**Main board**
**PL 3269 D14**
**Chip**



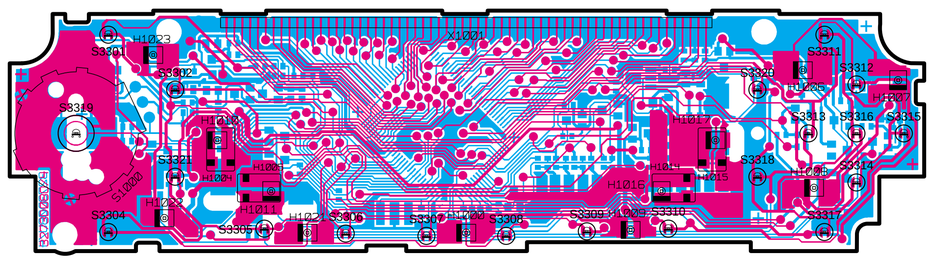



| 8638203... | 272 | 273 | 320 |
|---|---|---|---|
| H1004,H1015 | LAMP 5V/90mA | LAMP 5V/145mA | X |
| H1005,H1014 | LAMP 5V/90mA | X | X |
| H1006,H1007 H1008,H1009 H1021,H1022 H1023,H1000 | YELLOW (LYT670) | RED (LST670) | RED (LST670) |
| H1011,H1016 | X | BLUE (LBT673) | BLUE (LBT676) |
| H1010,H1017 | X | X | BLUE (LBT676) |
| R1050 | 1,5K | 1,5K | 4,7K |
| R1051 | 15R | 15R | 100R |
| R1052 | 15R | 15R | 100R |
| R1053 | 15R | 100R | 100R |
| R1054 | 15R | 100R | 100R |
| R1059 | 1,5K | 4,7K | 4,7K |
| R1063 | X | X | 47K |
| R1007 | 0R | 0R | X |
| R1008 | X | X | 47K |

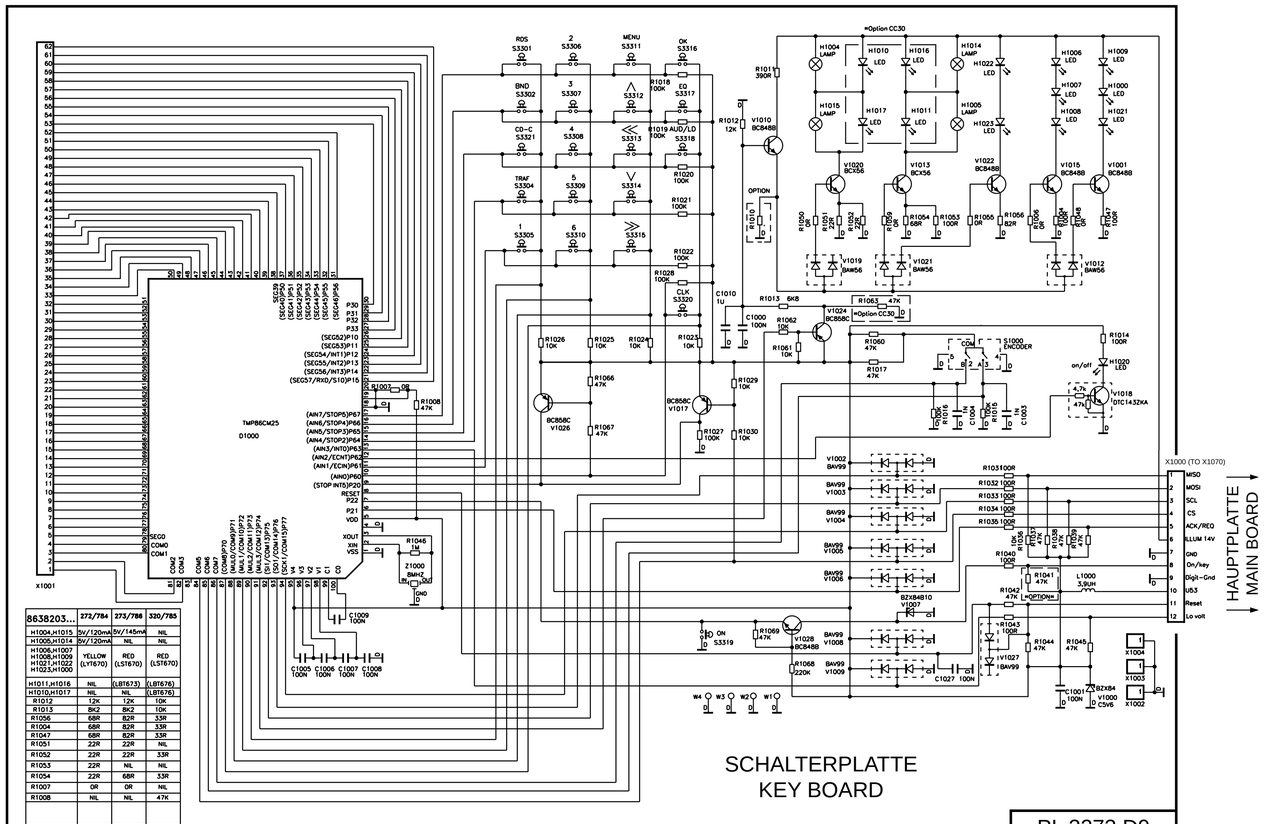
# Schalterplatte / Key board D08

**FunLine2**
**Düsseldorf C50**
**Bologna C50**
**Sylt CD50**
**Modena CD50**
**Colorado DJ50**
**Carolina DJ50**
**Dakota DJ50**

**Schalterplatte**
**Key board**
**PL 3273 D08**
**B + Chip**



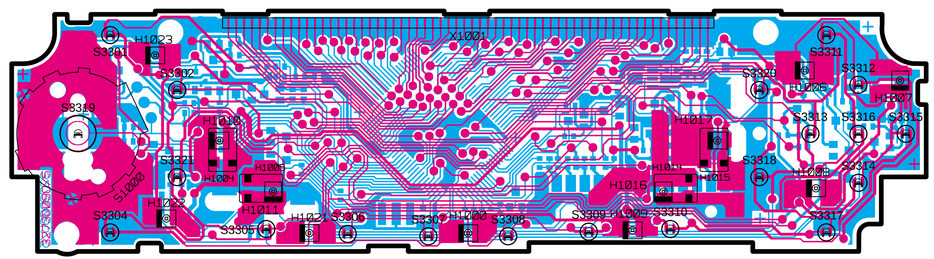
**FunLine2**
**Düsseldorf C50**
**Bologna C50**
**Sylt CD50**
**Modena CD50**
**Colorado DJ50**
**Carolina DJ50**
**Dakota DJ50**




| 8638203... | 272/784 | 273/788 | 320/785 |
|---|---|---|---|
| H1004,H1015 | 5V/120mA | 5V/145mA | NIL |
| H1005,H1014 | 5V/120mA | NIL | NIL |
| H1006,H1007 H1008,H1009 H1021,H1022 H1023,H1000 | YELLOW (LYL670) | RED (LSL670) | RED (LSL670) |
| H1011,H1016 | NIL | (LBL673) | (LBL676) |
| H1010,H1017 | NIL | NIL | (LBL676) |
| R1012 | 12K | 12K | 10K |
| R1013 | 8K2 | 8K2 | 10K |
| R1056 | 68R | 82R | 33R |
| R1004 | 68R | 82R | 33R |
| R1047 | 68R | 82R | 33R |
| R1051 | 22R | 22R | NIL |
| R1052 | 22R | 22R | 33R |
| R1053 | 22R | NIL | NIL |
| R1054 | 22R | 68R | 33R |
| R1007 | 0R | 0R | NIL |
| R1008 | NIL | NIL | 47K |

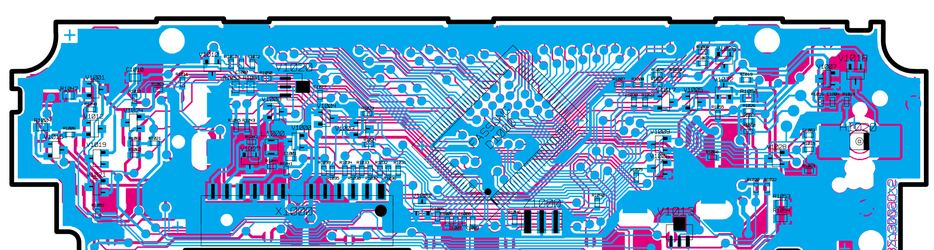
# Schalterplatte / Key board A09

**Schalterplatte**
**Key board**
**PL 3273 D09**
**B + Chip**




# D09

**Schalterplatte**
**Key board**
**PL 3273 D09**
**Chip**

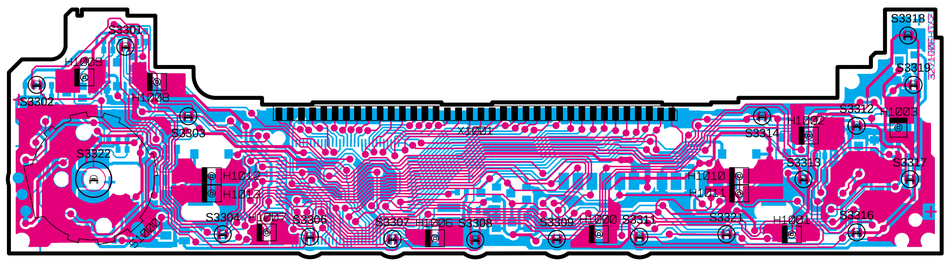


# D09

**zu Schaltbild Funline2 / T-Line D+EU 8 622 402 387**

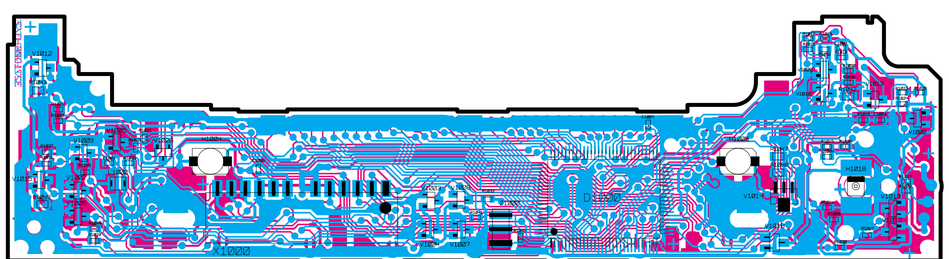
**T-Line**
**Lübeck C30**
**Luxembourg C30**
**Augsburg C30**
**Dublin C30**
**Boston C30**
**Kiel CD30**
**Lausanne CD30**
**Alicante CD30**
**Minnesota DJ30**
**Ontario DJ30**

**Schalterplatte**
**Key board**
**PL 3271 D06**
**B + Chip**



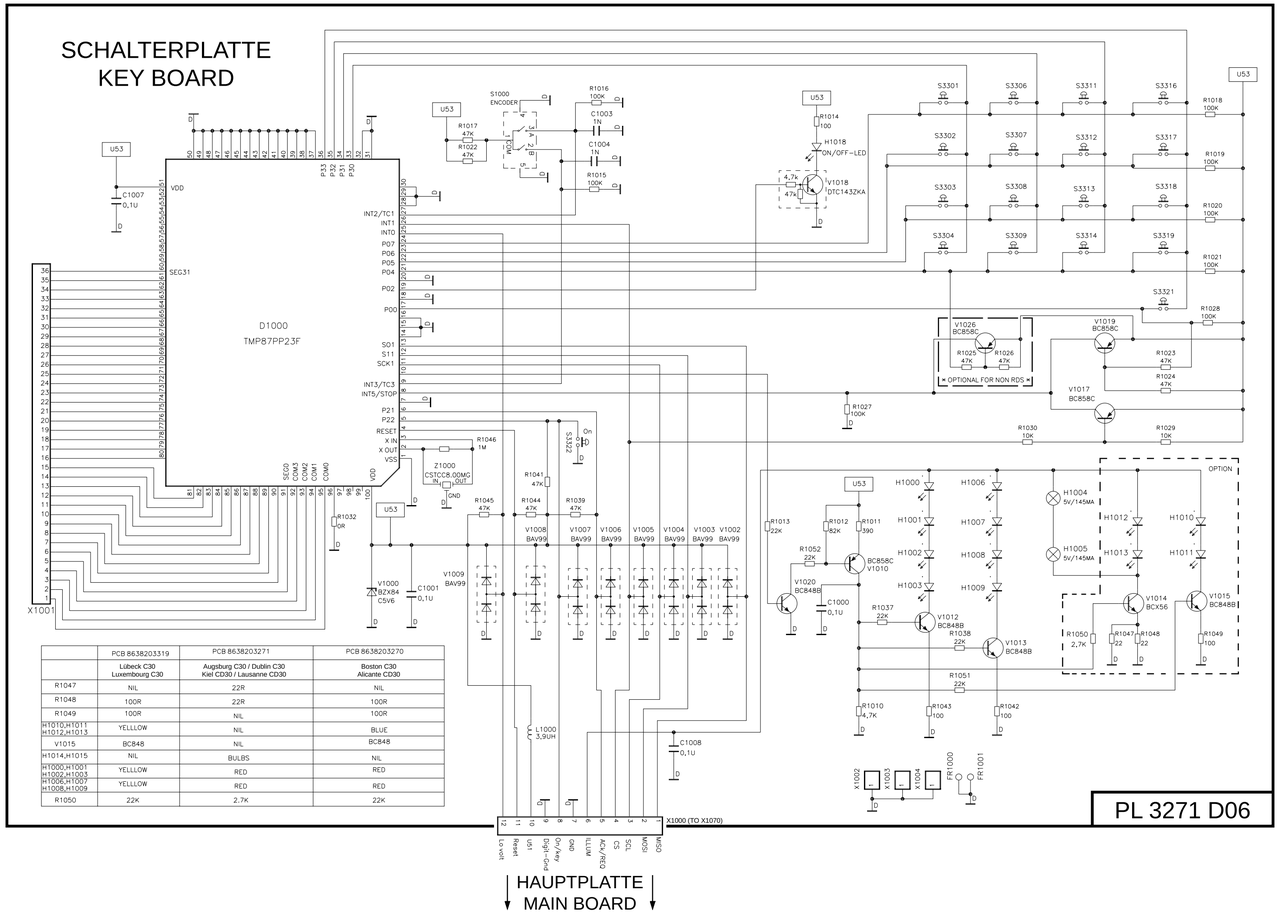
**D06**

**Schalterplatte**
**Key board**
**PL 3271 D06**
**Chip**



**D06**

# Schalterplatte / Key board D06

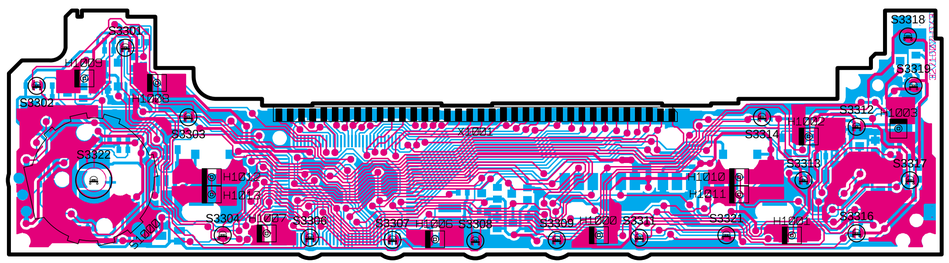



| | PCB 8638203319 | PCB 8638203271 | PCB 8638203270 |
|---|---|---|---|
| | Lübeck C30<br>Luxembourg C30 | Augsburg C30 / Dublin C30<br>Kiel CD30 / Lausanne CD30 | Boston C30<br>Alicante CD30 |
| R1047 | NIL | 22R | NIL |
| R1048 | 100R | 22R | 100R |
| R1049 | 100R | NIL | 100R |
| H1010,H1011<br>H1012,H1013 | YELLLOW | NIL | BLUE |
| V1015 | BC848 | NIL | BC848 |
| H1014,H1015 | NIL | BULBS | NIL |
| H1000,H1001<br>H1002,H1003<br>H1006,H1007<br>H1008,H1009 | YELLLOW<br>YELLLOW | RED<br>RED | RED<br>RED |
| R1050 | 22K | 2,7K | 22K |

zu Schaltbild Funline2 / T-Line D+EU  8 622 402 764

**T-Line**
**Lübeck C30**
**Luxembourg C30**
**Augsburg C30**
**Dublin C30**
**Boston C30**
**Kiel CD30**
**Lausanne CD30**
**Alicante CD30**
**Minnesota DJ30**
**Ontario DJ30**

**Schalterplatte**
**Key board**
**PL 3271 D07**
**B + Chip**

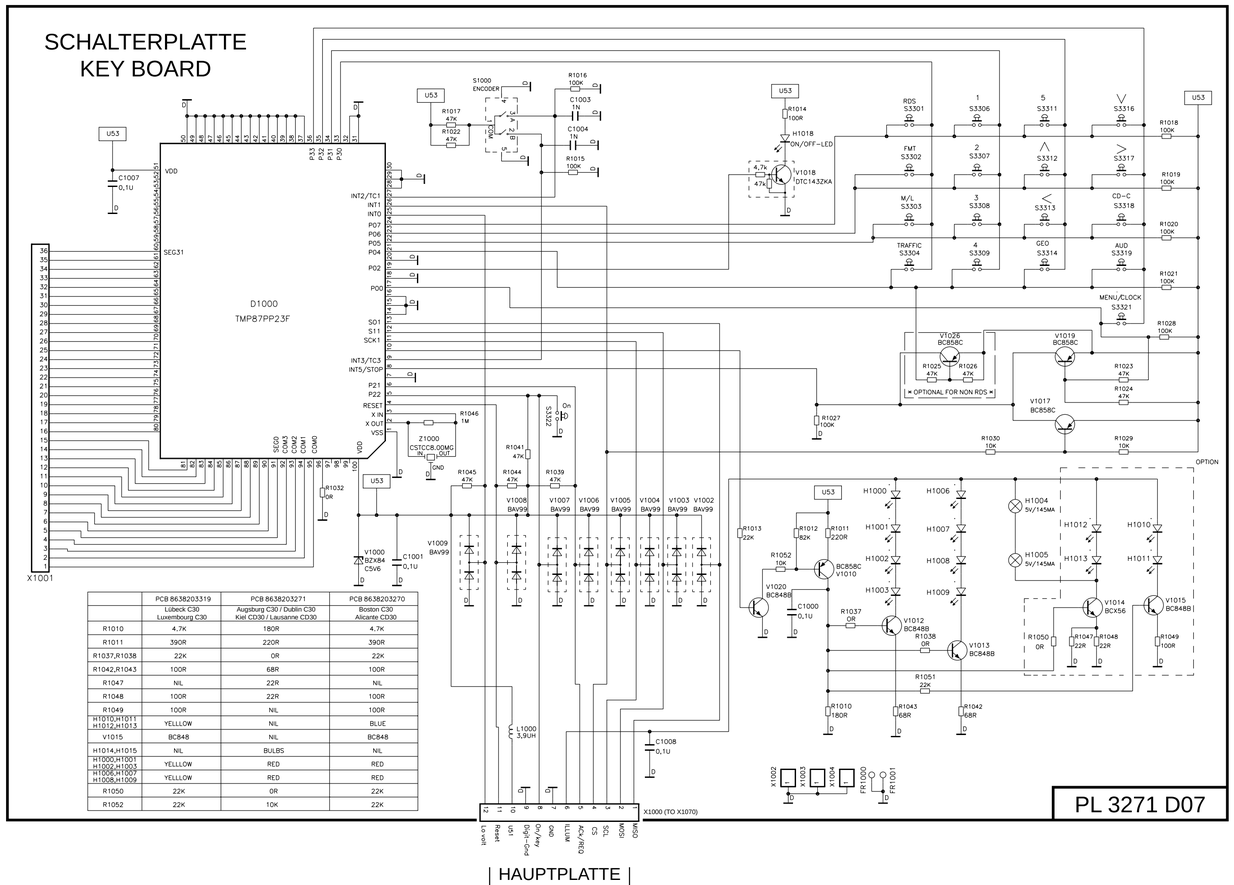



# D07

**Schalterplatte**
**Key board**
**PL 3271 D07**
**Chip**

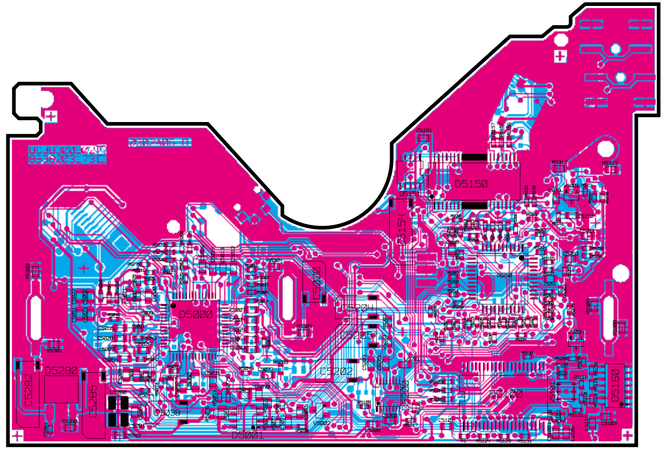
# D07

# Schalterplatte / Key board A07

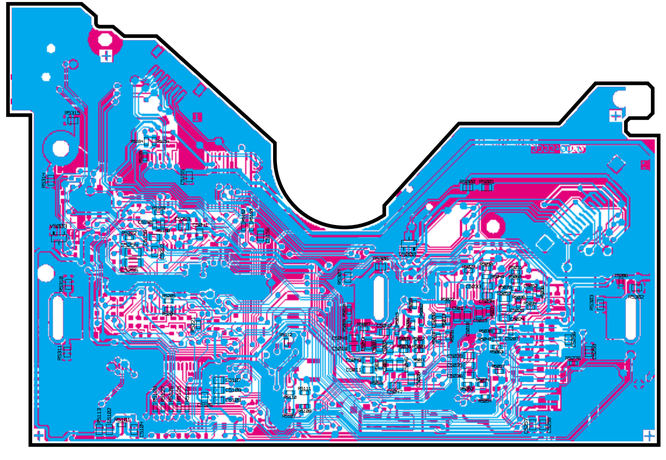



| | PCB 8638203319<br>Lübeck C30<br>Luxembourg C30 | PCB 8638203271<br>Augsburg C30 / Dublin C30<br>Kiel CD30 / Lausanne CD30 | PCB 8638203270<br>Boston C30<br>Alicante CD30 |
|---|---|---|---|
| R1010 | 4,7K | 180R | 4,7K |
| R1011 | 390R | 220R | 390R |
| R1037,R1038 | 22K | 0R | 22K |
| R1042,R1043 | 100R | 68R | 100R |
| R1047 | NIL | 22R | NIL |
| R1048 | 100R | 22R | 100R |
| R1049 | 100R | NIL | 100R |
| H1010,H1011<br>H1012,H1013 | YELLOW | NIL | BLUE |
| V1015 | BC848 | NIL | BC848 |
| H1014,H1015 | NIL | BULBS | NIL |
| H1000,H1001<br>H1002,H1003<br>H1006,H1007<br>H1008,H1009 | YELLOW | RED | RED |
| | YELLOW | RED | RED |
| R1050 | 22K | 0R | 22K |
| R1052 | 22K | 10K | 22K |

**BP4-Steuerplatte**
**BP4 Control board**
**PL 0902 A06**
**Chip**

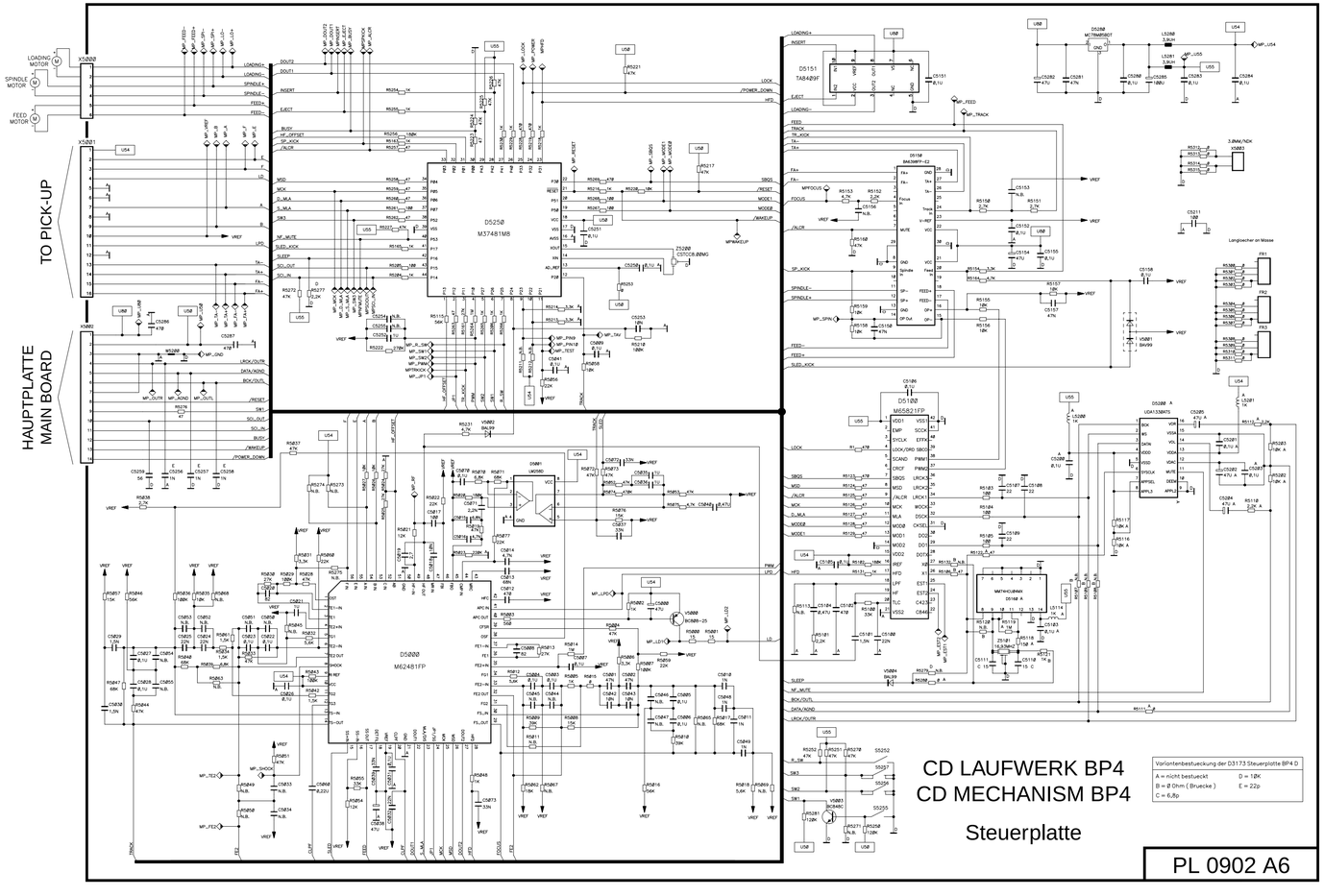


**BP4-Steuerplatte**
**BP4 Control board**
**PL 0902 A06**
**Chip**



**FunLine2 (20er D+E)**
**Syit CD50**
**Modena CD50**
**Dakota DJ50**

**T-Line (20er D+E)**
**Kiel CD30**
**Lausanne CD30**
**Alicanta CD30**




CD LAUFWERK BP4
CD MECHANISM BP4

Steuerplatte

PL 0902 A6

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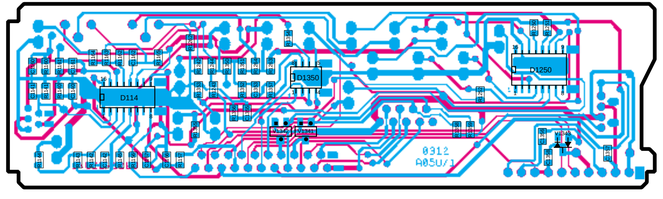
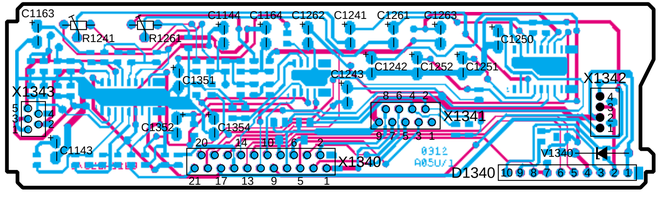
**Logik-Platte**
**Logic board**
**PL 0312 A05**
**Chip**




**Logik-Platte**
**Logic board**
**PL 0312 A05**




**FunLine2 (20er D+E)**
**Düsseldorf C50**
**Bologna C50**
**Colorado DJ50**
**Carolina DJ50**